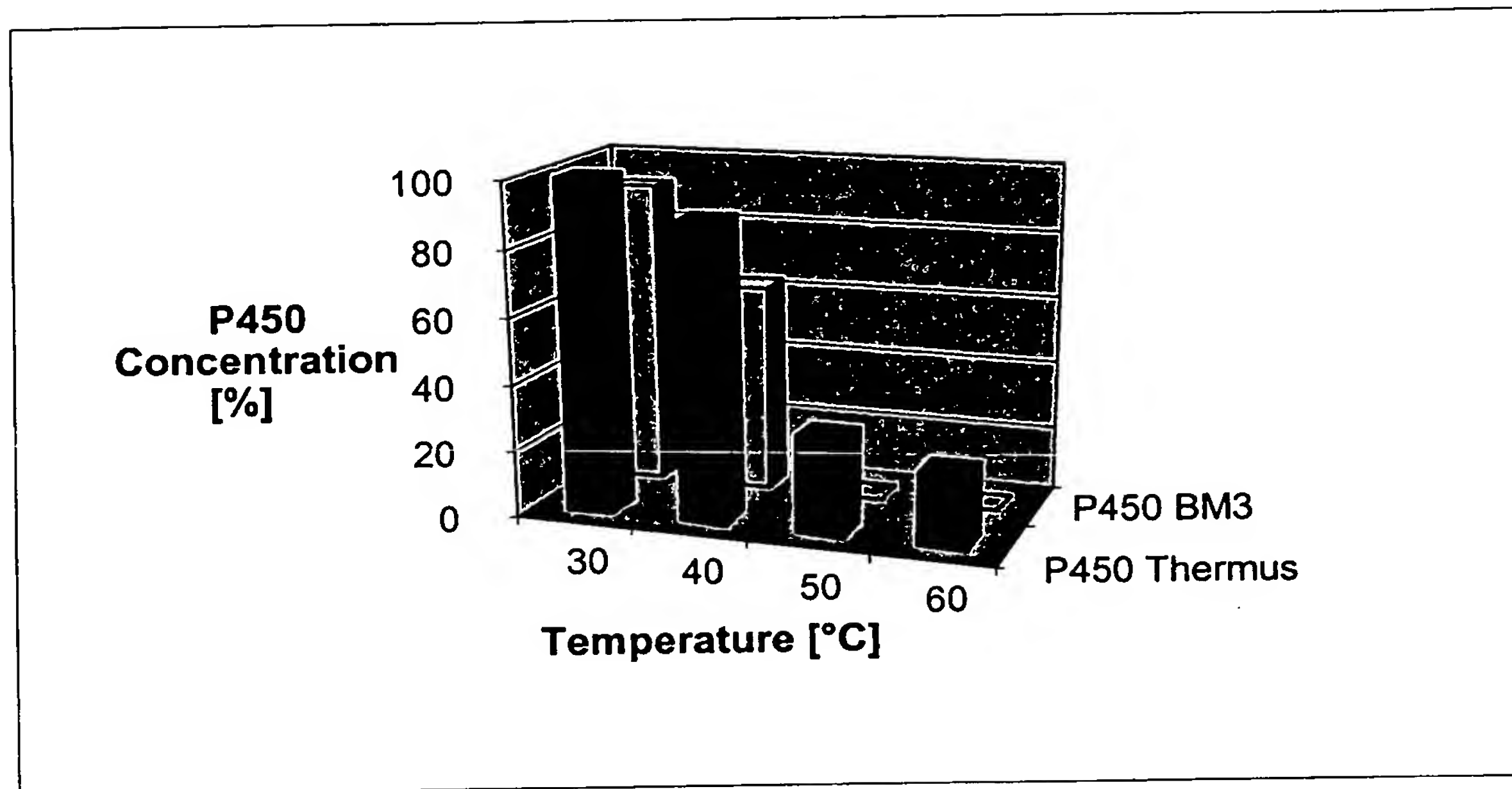


FDFEDHTNYELDIKETLTLKPEGFVVKAKSKKIPLGGIPS-PSTEQSAKKVR 471  
 FRLDPLP--FPRVLAQVTLRPE-----GGLPARPREEVRA---- 389  
 \* :: : :\*\*\*:\*\* \* \* \*

**Fig.2**



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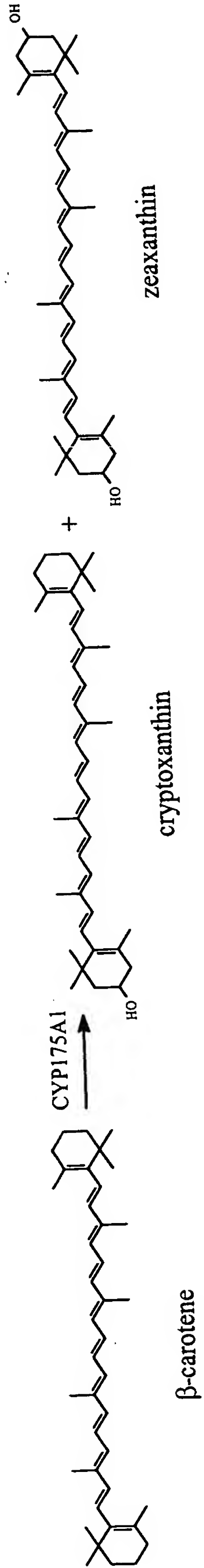
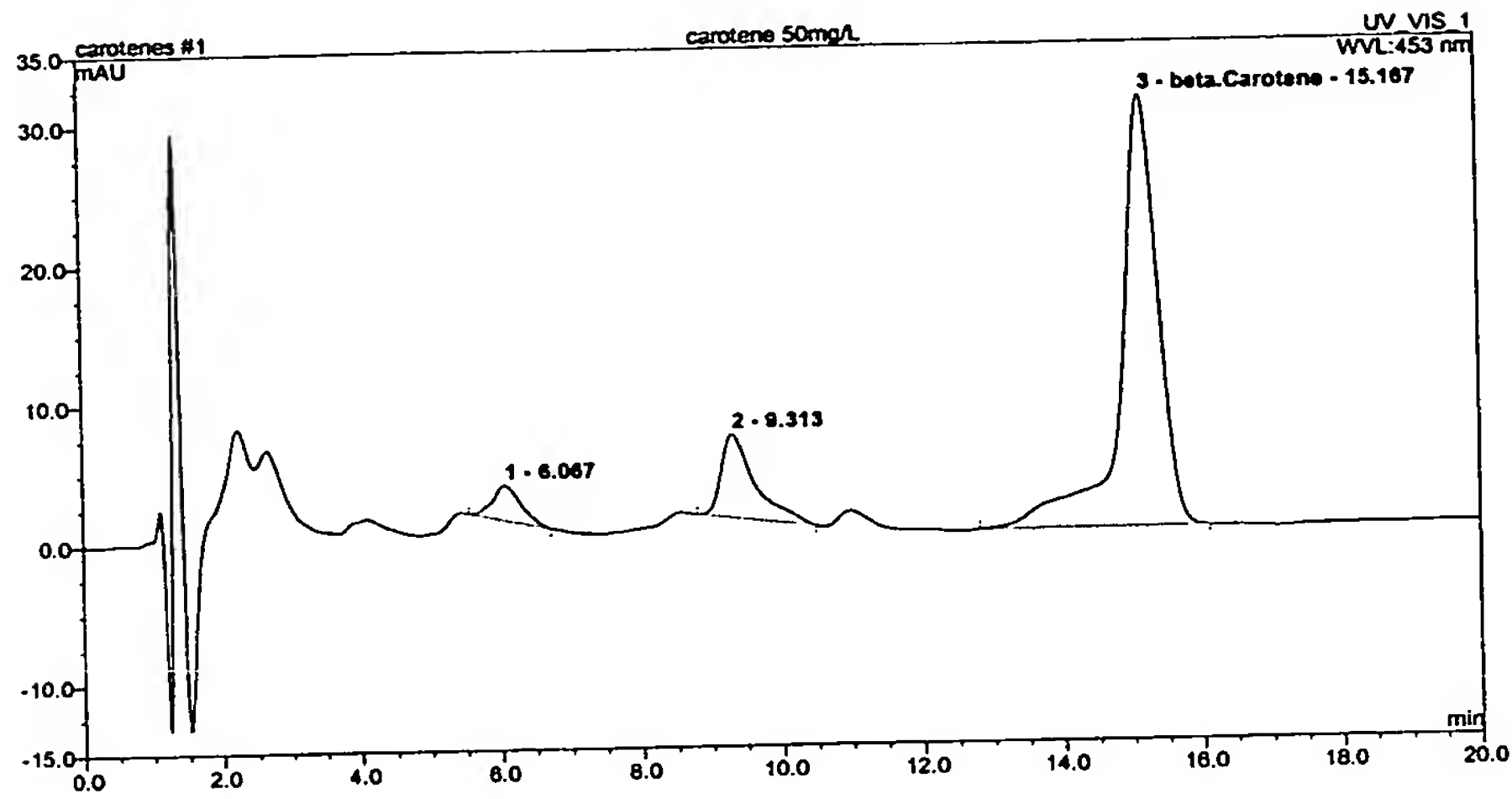
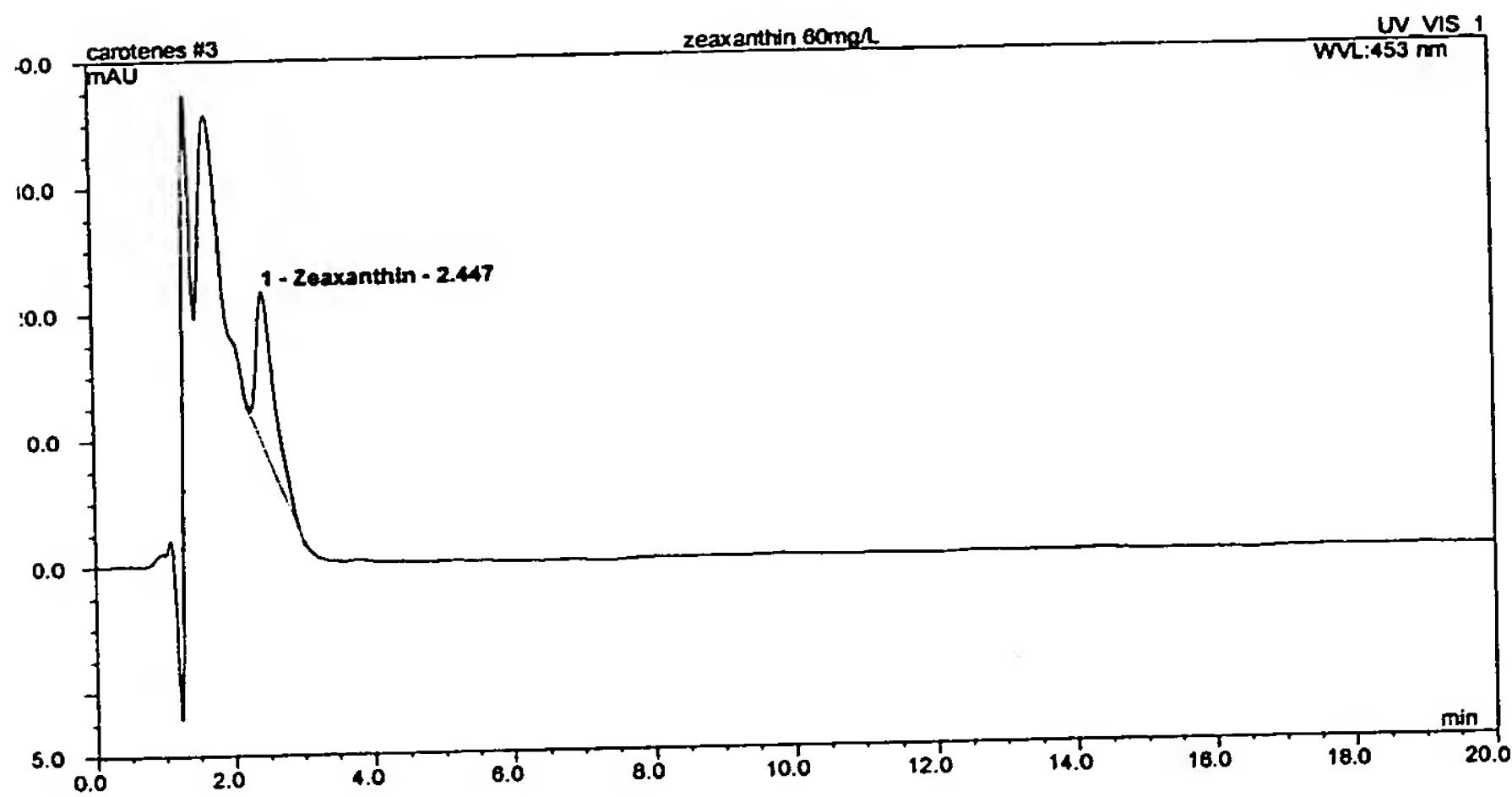


Fig. 3

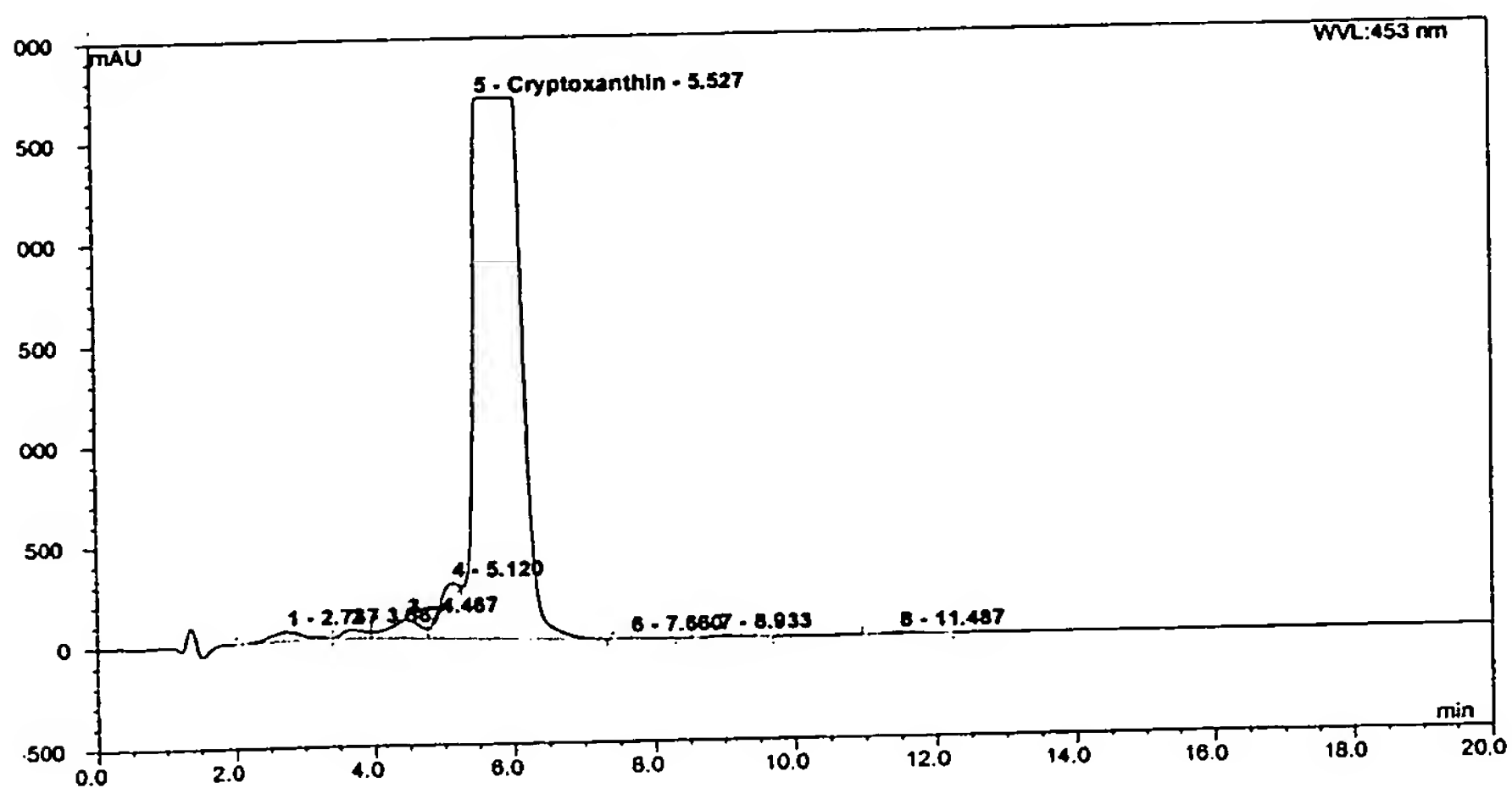
**FIG. 4A: BETA - CAROTENE (Standard):**



**FIG. 4B: ZEAXANTHIN (Standard):**

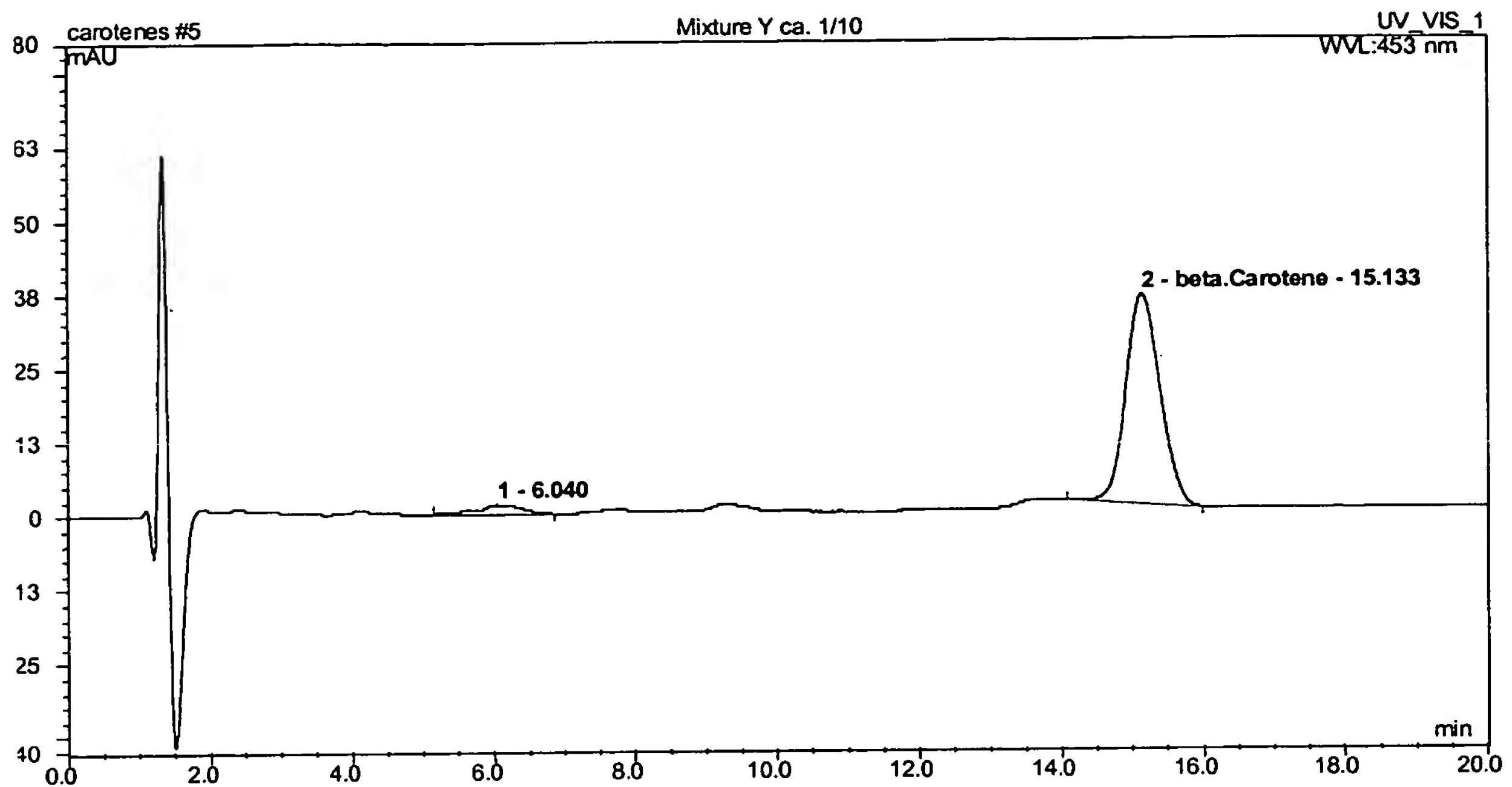


**FIG 4C: Cryptoxanthin (Standard):**



**FIG. 5A:**

**Sample Y (*E. COLI* comprising *CRTE*, *CRTB*, *CRTI* AND *CRTY* from *E. UREDOVORA*):**



**FIG. 5B:**

**Sample YF (*E. coli* comprising *CRTE*, *CRTB*, *CRTI* AND *CRTY* from *E. UREDOVORA* + *PKK\_CYP*):**

